TOROS, Robert

Titanium-ion getter pump: a new instrument of ultravacuum engineering. Muszaki kozl MTA 31 no.1/4:217-233 '62.

1. Magyar Tudomanyos Akademia Muszaki Fizikai Kutato Intezet Elektronfizika Osztalya.

TOPSHENOV, N.G. (Novosibirsk)

Compressive creep of a D16T aluminum alloy. PMTF no.6:158-159 N-D '61. (MIRA 14:12)

(Creep of metals)
(Aluminum alloys)

ZAWADZKI, Jerzy, doc. dr inz.; TORGIEWICZ, Teodor, mgr inz.; NOWAK, Marian, mgr inz.

Dynamic balancing of the rotor of a generator. Przegl mech 21 no.18:556-560 25 S '62.

1. Politechnika, Wroclaw.

MEGRELISHVILI, T.G.; TOROSHELIDZE, T.I.

Spectral studies of the OH emission of light from the sky during twilight. Biul. Abast. astrofiz. obser. no.29:103-109 '62. (MIRA 16:4)

(Twilight) (Spectrum analysis)

PUTILIN, N.I., prof., otv. red.; ALEKSENTSEVA, E.S., prof., red.; MAKARCHENKO, A.F., akademik, red.; PRIKHOD'KOVA, Ye.K., prof., red.; SKLYAROV, Ya.P., prof., red.; TORSKAYA, I.V., kand. biol. nauk, red.; FEL'DMAN, A.B., prof., red.; FILIPPOVA, A.G., kand. biol. nauk, red.; FUGOL', O.M., prof., red.; YANKOVSKAYA, Z.B., red. izd-va; MATVEYCHUK, A.A., tekhn. red.

[Selected works]Izbrannye trudy. Kiev, Izd-vo Akad. nauk USSR, 1962. 454 p. (MIRA 16:3)

1. Akademiya nauk Ukr. SSSR (for Makarchenko).
(PHYSIOLOGY)

TORSKIY, P.N., kand.tekhn.nauk

Coal dust in suspension in eastern Donets Basin mines. Bor'ba s sil 5:137-141 '62. (MIRA 16:5)

1. Novocherkasskiy politekhnicheskiy institut.
(Donets Basin—Mine dusts)

TOROSOV, T.M.

Complement fixation reaction in brucellosis. Klin. med., Moskva 30 no. 11:32-37 Nov 1952. (CLML 23:5)

1. Leningrad.

TOROSOV T M.

"Observation of Antibodies in Brucellosis Patients With the Help of the Complement Fixation Reaction (at 0°)," by T. M. Torosov, Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii, Supplement, 1957, pp 42-43

"Ninety brucellosis patients were examined, of which five had the acute septic form (decompensation); 33, a secondary-chronic metastatic form; (decompensation, 2; subcompensation, 14; and incomplete compensation, 17); 25, a primary-chronic metastatic form (decompensation, 4, subcompensation, 16; and incomplete compensation, 5); and 27, a subclinical primary-chronic metastatic form (subcompensation, 6; and incomplete compensation, 21). The complement fixation reaction was performed according to the Ioffe method (at 0°). Therapeutic vaccine and antigen-extract were used as antigen. Seventy-nine patients with typhoid and typhus, acute bacillary dysentery, rheumatism, pulmonary tuberculosis, etc., were examined as controls. In these controls, the reaction was at no time positive, which speaks for its high specificity.

"Positive results from the complement fixation reaction were obtained in 74 patients (82.2%), whereas only 33 patients (36.6%) gave positive reactions to the agglutination reaction; however, the allergic test seemed to be more highly sensitive and was positive in 87 persons (96.7%).

SUM. 1305

"The aforementioned complement fixation reaction was repeated 2-6 times on 79 persons. The indexes of the reaction did not fluctuate appreciably in 48 persons; in 20 persons, fluctuation did not extend beyond the limits of positive indexes; and in 11 persons, the reaction was sometimes positive, sometimes negative, without any definite sequence of transition.

"In 70 persons with established brucellosis of long standing, it was observed that the complement fixation reaction was most frequently positive on the 4th-6th day of disease. The reaction was also most frequently positive in the acute septic form of the disease and in decompensated infections, more rarely in secondary- and primary-metastatic forms and subcompensation, and most rarely, in subclinical primary-chronic metastatic forms and incomplete compensation.

"Comparison of the data obtained led to the concludsion that the less compensation was disturbed throughout the entire course of the disease or in any given period of time, the longer the time from the onset of the disease required for the appearance of a positive complement fixation reaction. But under any conditions, the amount of positively reacting substances from patients with subclinical forms was less than from patients with manifested forms of the disease.

SUM. 1305

TOROSOV, T.M.

"Study of the remote and direct effect of subcutaneous vaccine therapy on the complement fixation reaction in 47 persons showed that it led to an increase in the number of positively reacting patients and to an increase in the intensity of the reaction.

"On comparison of data from observations with the use of the antigen-antibody reaction being studied, it was established that the antigens and antibodies are related to the stage of development and degree of compensation of the infection. However, increase in the antibody titer occurred later than maximum accumulation of antigen. Evidently the appearance of complement-fixed antibodies is connected with the circulation of lysed antigen which is observed with the use of the complement fixation reaction, since the appearance of agglutinins depends to a great extent on immunogenic stimulation by the live Brucella which have penetrated into the blood."

SuM 1305

F-3

USSR / Microbiology. Microorganisms Pathogenic to Humans and Animals.

Abs Jur : RzhF Zhur - Biol., No 8, 1958, No 33855

Author : Torosov, T. M.
Inst : Not given
Title : Finding of Antibodies in Brucellosis Patients by Complement Fixation (at 0°).

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiologii, 1956 (1957), prilozhenie, 42-43.

Abstract : Results are given of BSR (blood serum reaction) of 90 brucellosis patients. The reaction was applied by the Joffe method (at 0°); as an antigen the medical vaccine and antigen-extract were used. 74 patients (82.2%) gave a positive reaction, while RA (antigen reaction) was positive in only 33 (36.6%). BSR with brucellosis

Card 1/2

FRANKFURT, A.I., prof.; TOROSOV, T.M., kand.med.nauk; VASILYANSKAYA, A.D.
(Saratov)

Liver and kidneys in burns. Klin.med. 35 no.11:75-81 N '57.
(MIRA 11:2)
1. Iz kafedry voyenno-polevoy terapii (nach. - prof. A.I.Frankfurt) voyenno-meditsinskogo fakul'teta pri Saratovskom meditsinskom institute.
(LIVER FUNCTION TESTS, in various dis.
burns)
(KIDNEY FUNCTION TESTS, in various dis.
burns)
(BURNS, metab.
kidney & liver funct. tests)

TOROSOV, T.M.

Use of the complement fixation reaction (at 0°) to detect antibodies in brucellosis patients. Zhur.mikrobiol.epid. i immun.,supplement for 1956:42-43 '57 (MIRA 11:3)
(COMPLEMENT FIXATION) (BRUCELLOSIS)

TOROSOV, T.M.; ORECHKINA, M.L.; GRIBKOVA, V.I.

Results of bacteriological examination of the bile in dysentery patients. Zhur. mikrobiol., epid. i immun. 40 no.11:123-127 N '63. (MIRA 17:12)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova.

1. T. M. TOROSOV
2. USSR (600)
4. Brucellosis
7. Complement fixation reaction in brucellosis. Klin. med. 30. no. 11. 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

TOROSYAN, A.

The P-filter. p. 29. RADIO. (Ministerstvo na poshtite, telegrafite, telefonite i radioto i Tsentralniia suvet na dobrovolnata organizatsiia za sudeistvie na otbranata) Sofiya. Vol. 5, No. 4, 1956

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 11, November 1956

TOROSYAN, A. A.

Dissertation: "The Achievement of Two Harvests of Agricultural Crops per Year Under the Conditions Prevailing in the Sevan Basin." Cand Agr Sci, Department of Biological Sciences, Acad Sci Armenian SSR, 6 Jul 54. (Kommunist, Yerevan, 25 Jun 54)

SO: SUM 318, 23 Dec 1954

TOROSYAN, A.G.

Some problems of the diabetic [illegible]. Izv. Akad. Arm.SSR. Biol. nauki 17 no.11:79-84 N '64 (MIRA 18:3)

1. Army [illegible]skiy respublikanskiy endokrinologicheskiy dispanser.

AKOPYAN, A.A., kandidat tekhnicheskikh nauk; LARIONOV, V.P., kandidat tekhnicheskikh nauk; TOROSYAN, A.S., kandidat tekhnicheskikh nauk.

Effect of voltage wave shape on the electrical strength of an air gap. Elektrichestvo no.5:14-21 My '56. (MLRA 9:8)

1. Vsesoyuznyy elektrotekhnicheskiy institut imeni Lenina.
(Electric discharges)

TOROSYAN, A.S.

Applicability of criterial coordinates to the generalization of data on power losses due to corona. Izv. AN Arm. SSR. Ser. tekh. nauk. 17 no.5:9-18 '64. (MIRA 18:4)

1. Armyanskiy filial Vsesoyuznogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy institut elektromekhaniki.

AUTHORS: Akopyan, A. A., Larionov, V. P. (Moscow) 105-58-6-8/33
Torosyan, A. S. (Yerevan)

TITLE: Distortion of the Voltage-Wave in the Formation of a Discharge in a Wide Air-Gap (Iskazheniye volny napryazheniya pri formirovanii razryada v dlinnom vozdushnom promezhutke)

PERIODICAL: Elektrichestvo, 1958, Nr 6, pp. 33-36 (USSR)

ABSTRACT: Problems of the calculation of voltage wave distortions in the formation of a discharge in a long air-gap are investigated here. The rules governing the change of the current prior to the discharge are the most important of these problems. First the method of investigation is given. A generator for pulse voltages of 3 mV and a capacity in the discharge of 3600 and 7200 uF was used in these investigations. It is shown that the measurement of the current before the discharge with connecting the shunt between plane and earth gives practically the same results as the measurement from the side of the grounded rod when bringing the voltage wave of negative polarity to the plane. Accor-

Card 1/4

ding to authors' opinion, this method is equivalent to that of connecting the shunt on the side of the high--voltage-electrode of the positive rod and at the same time it is essentially more simple since no measuring--instruments for high potential are required. In order to determine the distortion of the voltage wave, the dependence of this current on the voltage must be known. Numerous tests with different forms of the applied voltage wave were carried out for the purpose of determining the connection between the current prior to the discharge and the voltage in the discharge-gap between the positive r[illegible]d and the plane. It was found that the current prior to the discharge is approximately expressed by the formula (1). This formula renders correctly the physical aspect of the phenomenon. The current prior to the discharge takes place under the condition that the voltage in the gap exceeds the break-down voltage of the gap-part which is not disturbed by the leader (lider). The dependence given in reference 3, which correlates the instantaneous

velocity of development of the discharge-leader with an instantaneous voltage-value in the discharge-gap and the length of that part of the gap which is not disturbed by the leader-canal, as well as the formula (1) make it possible to determine - by way of calculation - the form of the voltage wave distorted by the process before the break-down and the corresponding discharge-time of the generator of the impulse-voltages on the air-gap- if the wave-shape with the free-motion of the generator (non-distorted wave) is known. Neglecting the reactance in the discharge-circuit, the calculation presents no difficulties and is carried out according to the method of the successive intervals, analogous to the calculation of the leader-velocity and to the time prior to the discharge in reference 2. The measurements carried out according to the method given here furnish a satisfactory conformity with the test for unipolar waves of different form. There are 5 figures and 5 references, 4 of which are Soviet.

Distortion of the Voltage Wave in the Formation of a Discharge in a Wide Air-Gap 105-58-6-8/33

SUBMITTED: October 8, 1957

1. Electric discharges--Analysis 2. Electric currents--Performance
3. Pulse generators--Performance

Card 4/4

GRDZELYAN, P.A.; KARAPETYAN, M.M.; STEPANYAN, N.P.; TOROSYAN, A.S.

Features in calculating yearly losses of electric energy to the corona of mountain transmission lines. Izv.AN Arm.SSR. Ser.tekh.nauk 12 no.6:3-14 '59. (MIRA 13:6)

1. Institut elektrotekhniki AN Armyanskoy SSR.
(Electric lines) (Corona (Electricity))

TOROSYAN, A.S.

KARAPETYAN, M.M.; TOROSYAN, A.S.

ZP-1 protective device used in the 1000 volt circuits of mobile substations for electric tractor units. Izv.AN Arm.SSR.Ser.FMET nauk 9 no.8:55-67 '56. (MLRA 10:2)

1. Laboratoriya elektrotekhniki AN Armyanskoy SSR.
(Electric controllers)

TOROSYAN, A. S.

"The Volt-Second Characteristics of Long Air Caps With a Varying Form of Positive Pulse Voltage." Cand Tech Sci, All-Union Order of Lenin Electrical Engineering Inst imeni V. I. Lenin, 14 Dec 54. (VM, 3 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

TATEVOSYAN, S.Ya.; TOROSYAN, A.S.

Effect of accumulated dirt on the electric characteristics of certain suspension insulators. Trudy LPI no.195:419-424 '58. (MIRA 11:10)

(Electric insulators and insulation)

GRDZELYAN, R.A.; DZHANDZHUGAZOV, N.G.; KARAPETYAN, M.M.; TOROSYAN, A.S.

Measuring circuits for investigating power losses in corona discharges. Izv.AN Arm.SSR. Ser.tekh.nauk 10 no.1:19-29 '57. (MIRA 10:10)

1. Laboratoriya elektrotekhniki AN Armyanskoy SSR.
(Electronic measurements) (Corona (Electricity))

AKOPYAN, A.A. (Moskva); LARIONOV, V.P. (Moskva) TOROSYAN, A.S. (Yerevan)

Distortion of the voltage wave during discharge formation in a long air gap. Elektrichestvo no.6:33-36 Je '58. (MIRA 11:6)
(Electric discharges) (Electric waves)

SOV/112-58-2-2132

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1958, Nr 2, p 55 (USSR)

AUTHOR: Grdzelyan, R. A., Dzhandzhugazov, N. G., Karapetyan, M. M., and Torosyan, A. S.

TITLE: A Measuring Circuit for Studying AC Corona Losses (Izmeritel'naya skhema dlya issledovaniya poter' energii na koronu peremennogo toka)

PERIODICAL: Izv. AN Arm. SSR, Ser. tekhn. n., 1957, Vol 10, Nr 1, pp 17-29

ABSTRACT: A circuit for measuring corona loss under high mountain conditions (1,100 m and 2,000 m above sea-level) for 220-kv lines is described. Power was measured by a special milliwattmeter with a maximum sensitivity of 0.1 w/m(?). Its voltage winding can be fed either from a capacitive no-loss voltage divider through a 3-stage amplifier of high imput impedance and with voltage and current feedback, or from a resistive voltage divider through a transformer having very low inductance and no-load current. Possible errors are analyzed and found to be ±5%. A circuit alignment is also indicated.

N.N.T.

Card 1/1

TOROSYAN, E.S.

Automatic recording and signalling of anode effects. TSvet. met. 34 no.2:53-55 F '61. (MIRA 14:6)

1. Kanakerskiy alyuminiyevyy zavod.
(Aluminum--Electrometallurgy) (Automatic control)

TOROSYAN, G.

Modernization of basic equipment and the mechanization of labor consuming operations at the Erivan Aluminum Plant. Prom.arm. 4 no.5:36-38 My '61. (MIRA 14:8)

1. Nachal'nik konstruktorskogo otdela Yerevanskogo alyuminiyevogo zavoda.
(Erivan--Aluminum industry--Equipment and supplies)

TOROSYAN, Kh.S. (Tbilisi; SAKHAROVA, Z.S. (Tbilisi)

Organization of detection of trichomonal infestation in men and women. Akush. i gin. no.2:115-118'63. (MIRA 16:10)
(TRICHOMONIASIS) (UROLOGY)

TOROSYAN, S.A.

Effectiveness of vitamin B12 in diseases of the peripheral nervous system. Zhur.nev. i psikh. 59 ..6:742 '59. (MIRA 13:1)

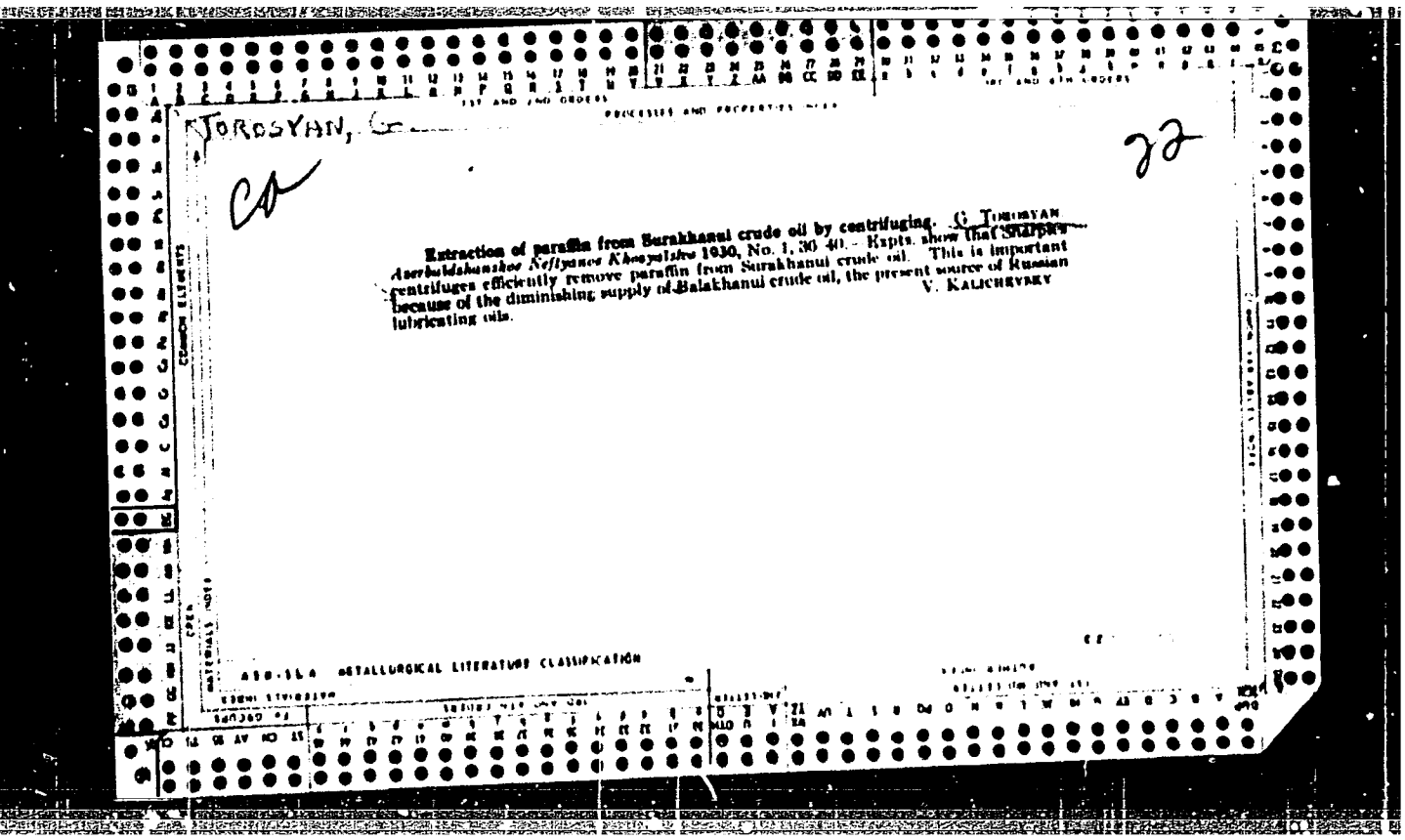
1. Klinika nervnykh bolezney (zav. - prof. G.I. Mirzoyan) fakul'teta usovershenstvovaniya vrachey Yerevanskogo meditsinskogo instituta.
(NERVES, PERIPHERAL, dis.
ther., vitamin B12 (Rus))
(VITAMIN B12, ther.use,
peripheral nerve dis.(Rus))

TOROSYAN, S.G.

Give the green light to the production of new equipment for the petroleum industry. Neftianik 2 no.10:23-25 O '57. (MIRA 10:12)
(Petroleum industry--Equipment and supplies)

TORSUYEV, N.A. (Rostov-na-Donu)

Lecture course in dermatovenereology. Vest.derm. i ven. 31 no.4: 33-34 Jl-Ag '57. (MIRA 10:11)
(DERMATOLOGY, educ.
lecture courses in dermato-venereology in med. schools)
(VENEREAL DISEASES
same)



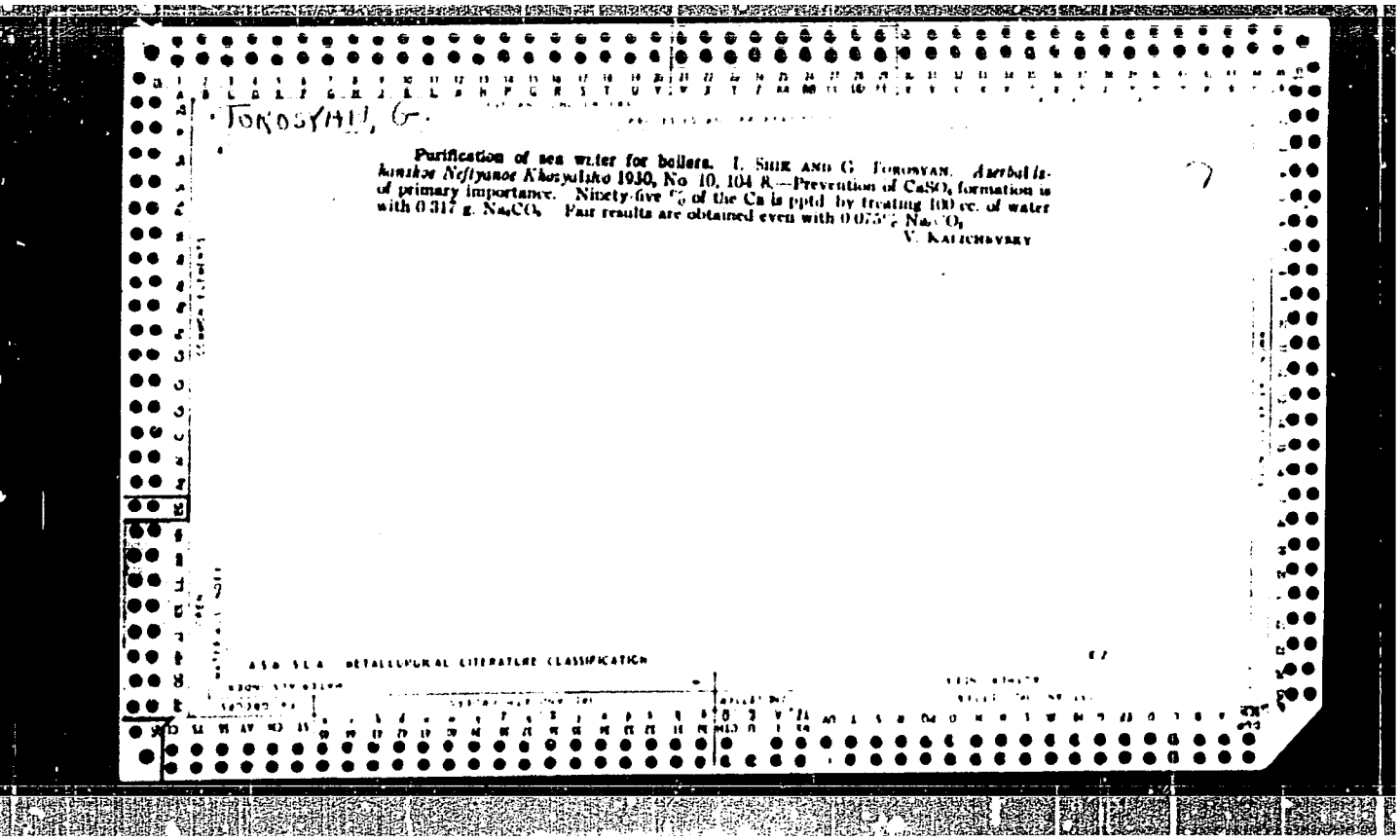
TORGSYAN, G.

22

Extraction of paraffin from Surakhanui crude oil by centrifuging. G. Tigrigyan *Azerbaidzhanskoe Neftyanoe Khozyaistvo* 1930, No. 1, 30-40. - Expts. show that Sharples centrifuges efficiently remove paraffin from Surakhanui crude oil. This is important because of the diminishing supply of Balakhanui crude oil, the present source of Russian lubricating oils.

V. Kalichevsky

A10-11A METALLURGICAL LITERATURE CLASSIFICATION



TOROSYAN, G.

Purification of sea water for boilers. I. SHIK AND G. TOROSYAN. *Azerbaidzhanskoe Neftyanoe Khozyaistvo* 1930, No 10, 104-8.—Prevention of $CaSO_4$ formation is of primary importance. Ninety-five % of the Ca is pptd by treating 100 cc. of water with 0.317 g. Na_2CO_3. Fair results are obtained even with 0.075% Na_2CO_3.

V. KALICHEVSKY

ASA SLA METALLURGICAL LITERATURE CLASSIFICATION

TOROSYAN, G. T.

Candidate of Veterinary Sciences (Turkmen Agric. Inst. imeni [illegible] I. [illegible])

"The Treatment of Infected Wounds and Purulent-Necrotic Processes by Infusion of Heterogeneous Blood"

Veterinariya, No. 5, May 1950, pp 45-4[illegible] (Material Submitted to the Editorial Staff)

U-5555, p 3

Author comes to conclusion that infusion of heterogeneous blood is a "highly effective method for treating infected wounds in veterinary surgery."

[illegible], G. . . [illegible])

"Use of Heterogeneous Blood in Surgical Practice" . . I. Krosian

Veterinariya, 21, No. 7, July, 1954, p 47 (Material submitted to the Editorial Office)

Trans. 592, L. Lubich, p 1

KARAYEV, S.K.; KYAZIMOV, Ya.R., red.; RASHEVSKAYA, T.A., red. izd-va; TOROSYAN, R., tekhn. red.

[Improving equipment for drilling deep exploratory wells]Sovershenstvovanie tekhnologii bureniia glubokikh razvedochnykh skvazhin. Baku, Azerbaidzhenskoe gos. izd-vo, 1961. 131 p. (MIRA 15:12)

(Azerbaijan—Boring)

TOROSYAN, R.N., inzh.

Control and automatic regulation of soil moisture in hotbeds and greenhouses. [Nauch.trudy] VIESKH 3:222-242 '58.
(MIRA 13:4)

(Soil moisture) (Greenhouse management)

TOROSYAN, R.N.

TOROSYAN, R.N., Cand Tech Sci -- (diss) "Control and automatic regulation of soil humidity on protected land." Mos, 1958. 15 pp. (Joint Council of the All-Union Sci Research Inst of Mechanization of Agr VIM and All-Union Sci Research Inst Electrification of Agr VIESKH), 100 copies. (KL, 9-58, 120)

TOROSYAN, R.N., kand.tekhn.nauk

Ultrasonic treatment of the seeds of farm crops before planting.
Nauch. trudy VIESKH 11:81-92 '62. (MIRA 16:3)
(Plants, Ultrasonic waves, Effect on)

VARTAPETYAN, P.A.; MURADYAN, G.T.; TOROSYAN, S.A.

Precordial pains of extracardial origin. Sov. med. 28 no.7 [illegible]
Jl '64. (MIRA 18:8)

1. Klinika fakul'tetskoy terapii (zav. - prof. T.S.Mnatsakanov), klinika nevrologii i neyrokhirurgii (zav. - prof. S.G.Zograbyan) i klinika nervnykh bolezney (zav. - prof. G.I.Morzoyan) Yerevanskogo meditsinskogo instituta.

TOROSYAN, S.A.

Functional disorders in the sexual activity of men. Izv. AN Arm. SSR. Biol. nauki 13 no.6:103 Je '60. (MIRA 13:8)

1. Klinika nervnykh bolezney fakul'teta usovershenstvovaniya vrachey Meditsinskogo instituta.
(GENERATIVE ORGAN, MALE--DISEASES) (NEUROSES)

MIRZOYAN, G.I.; ANTONYAN, A.A.; TOROSYAN, S.A.; STEPANYAN, A.V.

On the problem of the pathology of vegetative function. Zhur.nevr. i psikh. 55 no.7:531-533 '55. (MLRA 8:10)

1. Poliklinika II Meditsinskogo ob"yedineniya Yerevana (glavnyy vrach-- A. A. Yesayan)
(AUTONOMIC NERVOUS SYSTEM, diseases)

TOROSYAN, S. A., Cand Med Sci --"~~Towards~~ the problem of functional disorders of sexual activity in ~~men~~ male. Yerevan, 1961. (Yerevan State Med Inst) (KL, 8-61, 265)

TORCSYAN, S.G., inzh.

Devices for screwing and unscrewing pump-compressor pipes. Izbor. i rats. 3 no. 4:8 Ap '58. (MIRA 11:7)
(Pipe joints)

TOROSYAN, S.G., inzh.

The DASTO double-chamber lamellar filter for fine purification.
Isorb. v SSSR 3 no.3:10 Mr '58. (MIRA 11:3)
(Automobiles--Engines--Oil filters)

LEZHAVA, A.S.; TOROTADZE, E.E.

Transformation of ciliated cells of the epithelium into goblet cells. Trudy Tbil. GU 68:53-59 '63. (MIRA 18:8)

1. Kafedra gistologii Tbilisskogo universiteta.

GOGIYA, G.; TOROTADZE, E., red.; KOKAIYA, A., tekhred.

[Tiflis, a brief guidebook] Tbilisi: kratkii putevoditel'. Tbilisi, Gos.izd-vo "Sabchota Sakartvelo," 1958. 53 p. (MIRA 11:12)
(Tiflis--Guidebooks)

TOROTADZE, E.E.

Histogenesis of the tracheal epithelium in man. Soob. AN Gruz. SSR 30 no.1:79-84 Ja '63. (MIRA 17:1)

1. Tbilisskiy gosudarstvennyy universitet. Predstavleno akademikom K.D. Eristavi.

ACC NR: AP7001385 (A,N) SOURCE CODE: UR/0413/66/000/021/0055/0055

INVENTOR: Rosnitskiy, O. V.; Torotenkov, S. B.

ORG: none

TITLE: A cylindrical magnetic thin-film memory matrix. Class 21, No. 187839

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 55

TOPIC TAGS: thin film memory, logic element, matrix element

ABSTRACT: An Author Certificate has been issued for a cylindrical magnetic thin film memory matrix with excitation windings (see Fig. 1). To reduce the value of control currents and

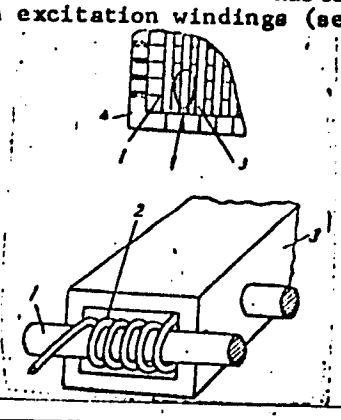


Fig. 1. Thin-film memory matrix

1 - Conductor with a ferromagnetic film;
2 - solenoid winding; 3 - magnetic circuit;
4 - frame.

Card 1/2

UDC: 681.142.07

ACC NR: AP7001385

increase the density of data allocation, a magnetic circuit made of ferromagnetic material envelopes the memory cells of the matrix over the excitation windings. [JR]
Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 26Oct65/ ATD PRESS: 5110

Card 2/2

ACC NR: AP7005603 SOURCE CODE: UR/0413/67/000/002/0042/0042

INVENTOR: Rosnitskiy, O.V.; Torotenkov, S.B.

ORG: none

TITLE: Closed thin-film magnetic memory element. Class 21, No. 190414

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 42

TOPIC TAGS: magnetic thin film, computer memory, THIN FILM MEMORY

ABSTRACT:

An Author Certificate has been issued for a thin-film magnetic memory element that contains control windings and a thin layer of ferromagnetic material deposited on a substrate (see Fig. 1). The cylindrical substrate envelopes the control windings, and has a gap filled with the ferromagnetic material to decrease control current amplitude and power consumption and increase the information retention reliability of the memory element. Orig. art. has: 1 figure. [IV]

Card 1/2 UDC: 681.142.07

ACC NR: AP7005603

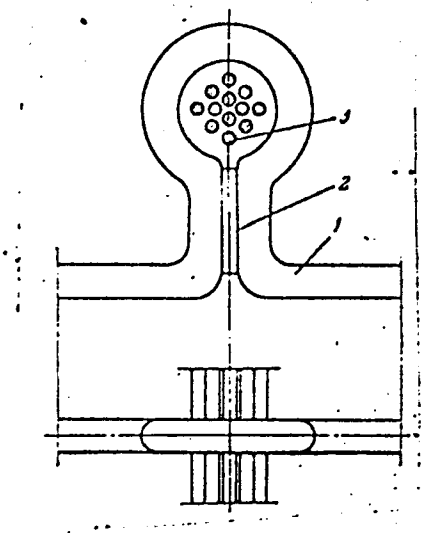
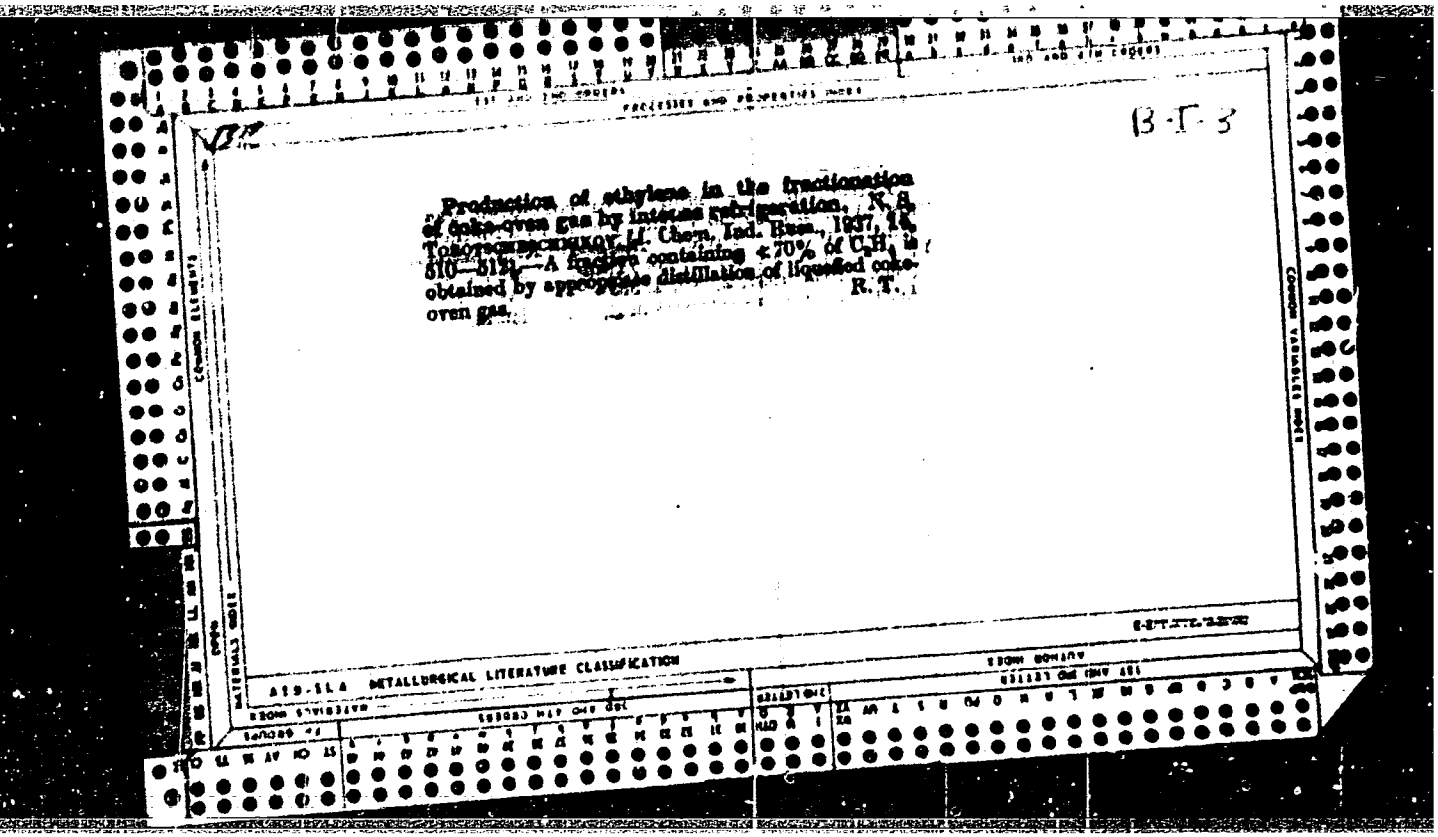


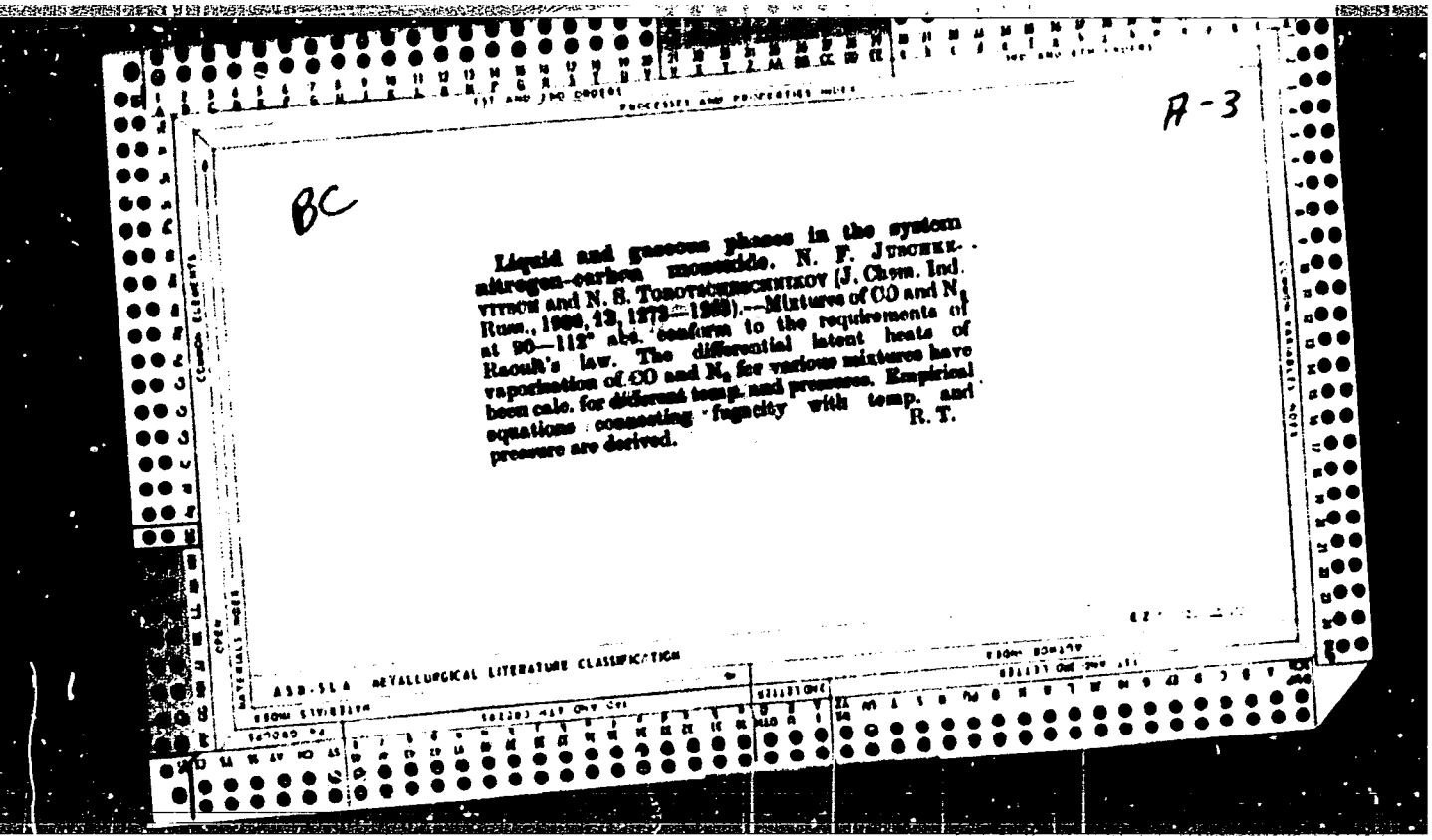
Fig. 1. Thin-film magnetic memory unit

1 - Cylindrical substrate; 2 - thin layer of ferromagnetic material; 3 - multiconductor excitation windings.

SUB CODE: 09/ SUBM DATE: 07Oct65/ ATD PRESS: 5116

Card 2/2





A-3

BC

Liquid and gaseous phases in the system nitrogen–carbon monoxide. N. F. Judenkovitsch and N. S. Tomotsumenchenkov (J. Chem. Ind. Russ., 1930, 12, 1273—1280).—Mixtures of CO and N_2 at 90—112° abs. conform to the requirements of Raoult's law. The differential latent heats of vaporisation of CO and N_2 for various mixtures have been calc. for different temps. and pressures. Empirical equations connecting fugacity with temp. and pressure are derived. R. T.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

SHAYEVICH, A.B.; DANILEVSKAYA, V.V.; ZHOROVA, N.I.; KAZARINA, G.P.; TOROVINA, A.G.

Spectrographic determination of hydrogen in nickel and copper and of oxygen in copper. Zav. lab. 30 no.11:1343-1346 '64 (MIRA 18:1)

1. Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov.

PANFILOV, A.N., podpolkovnik; SMIRNOV, N.N., inzhener-podpolkovnik;
TITOV, P.A., inzhener-mayor; TOROVINOV, I.M., podpolkovnik

Characteristics of helicopter flights from ships. Mor. sbor.
48 no.5:77-81 My '65. (MIRA 18:6)

[redacted] EWA(w)

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size and raised appreciably [redacted] this created by

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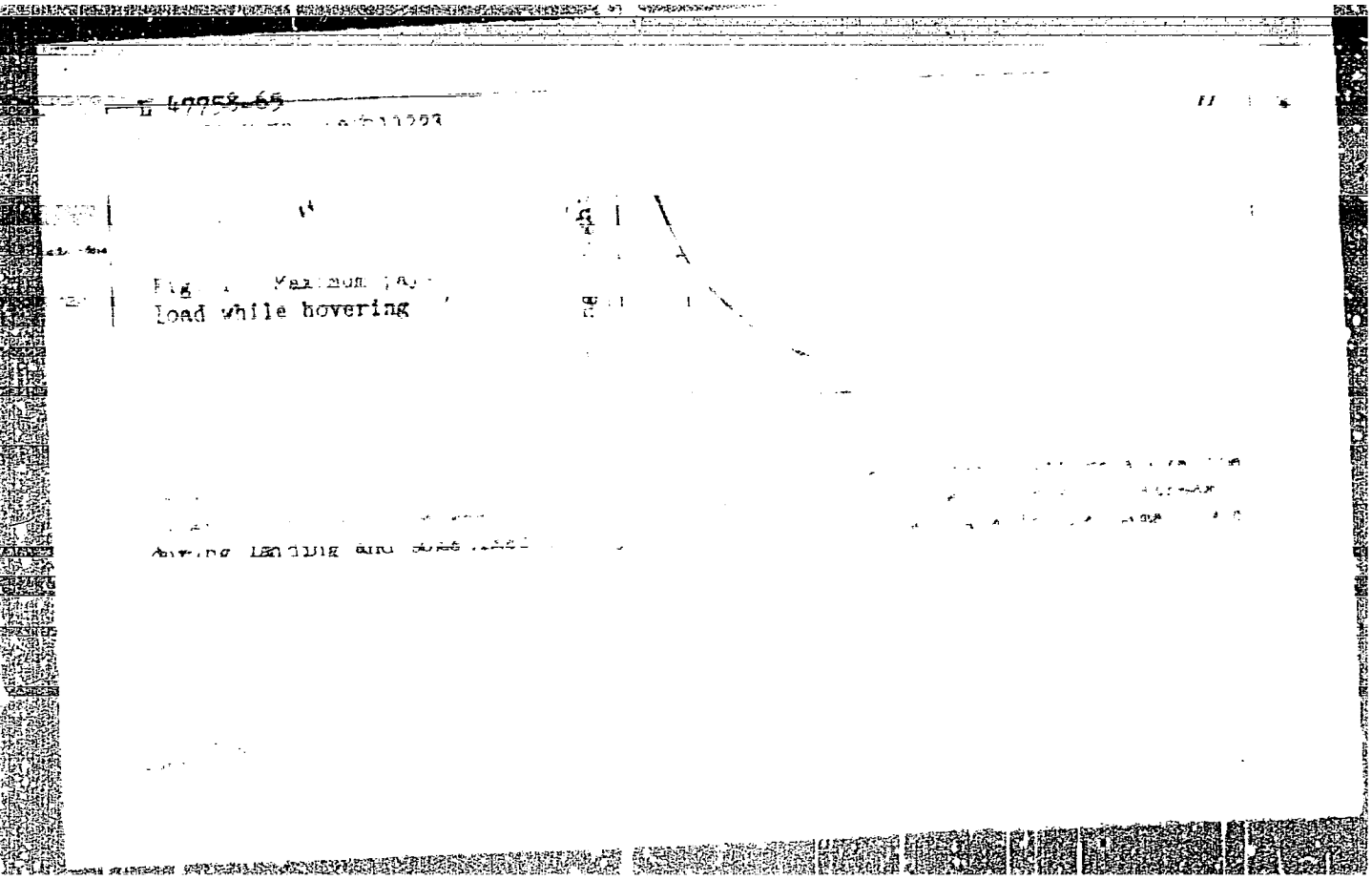

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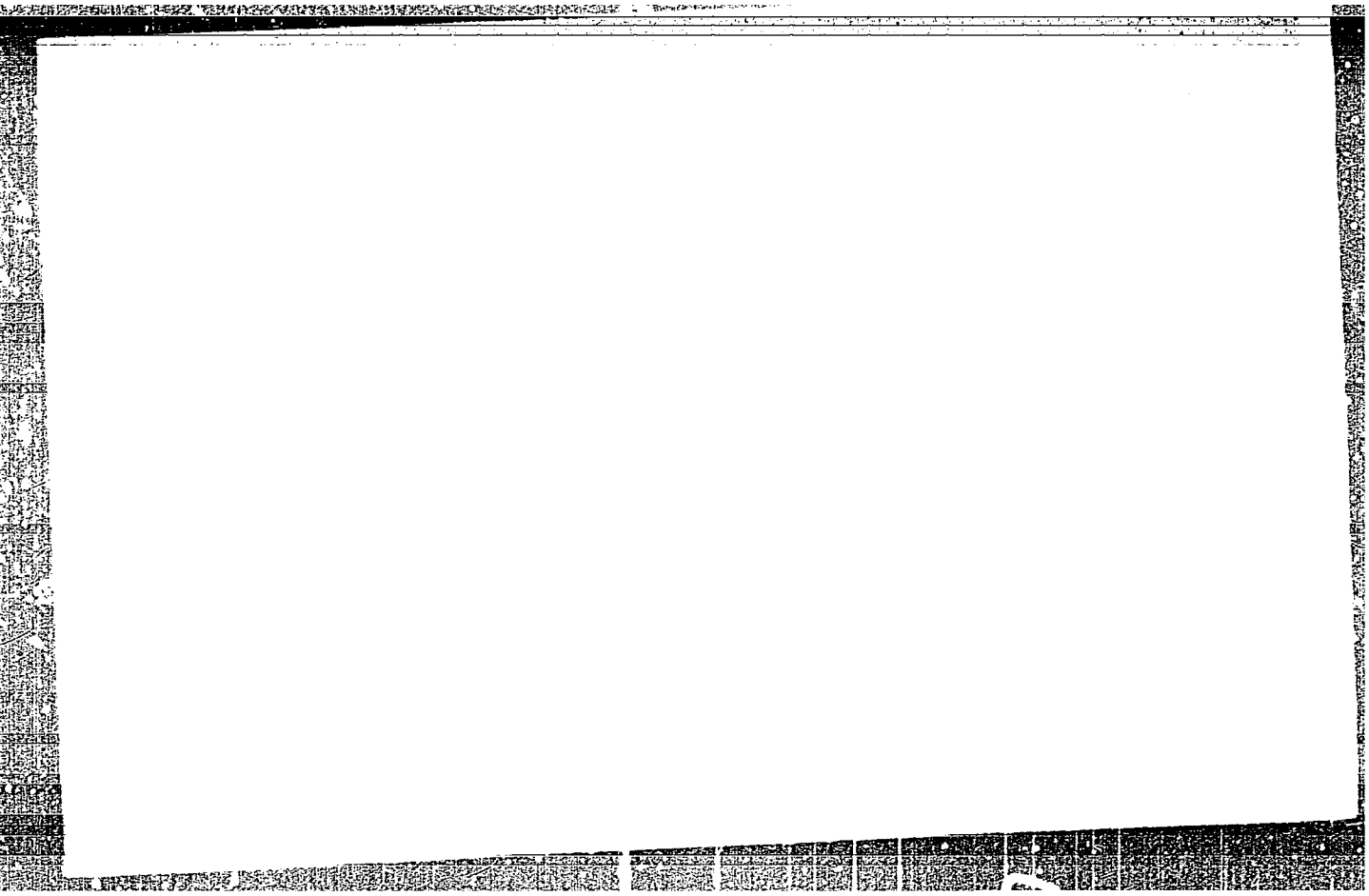

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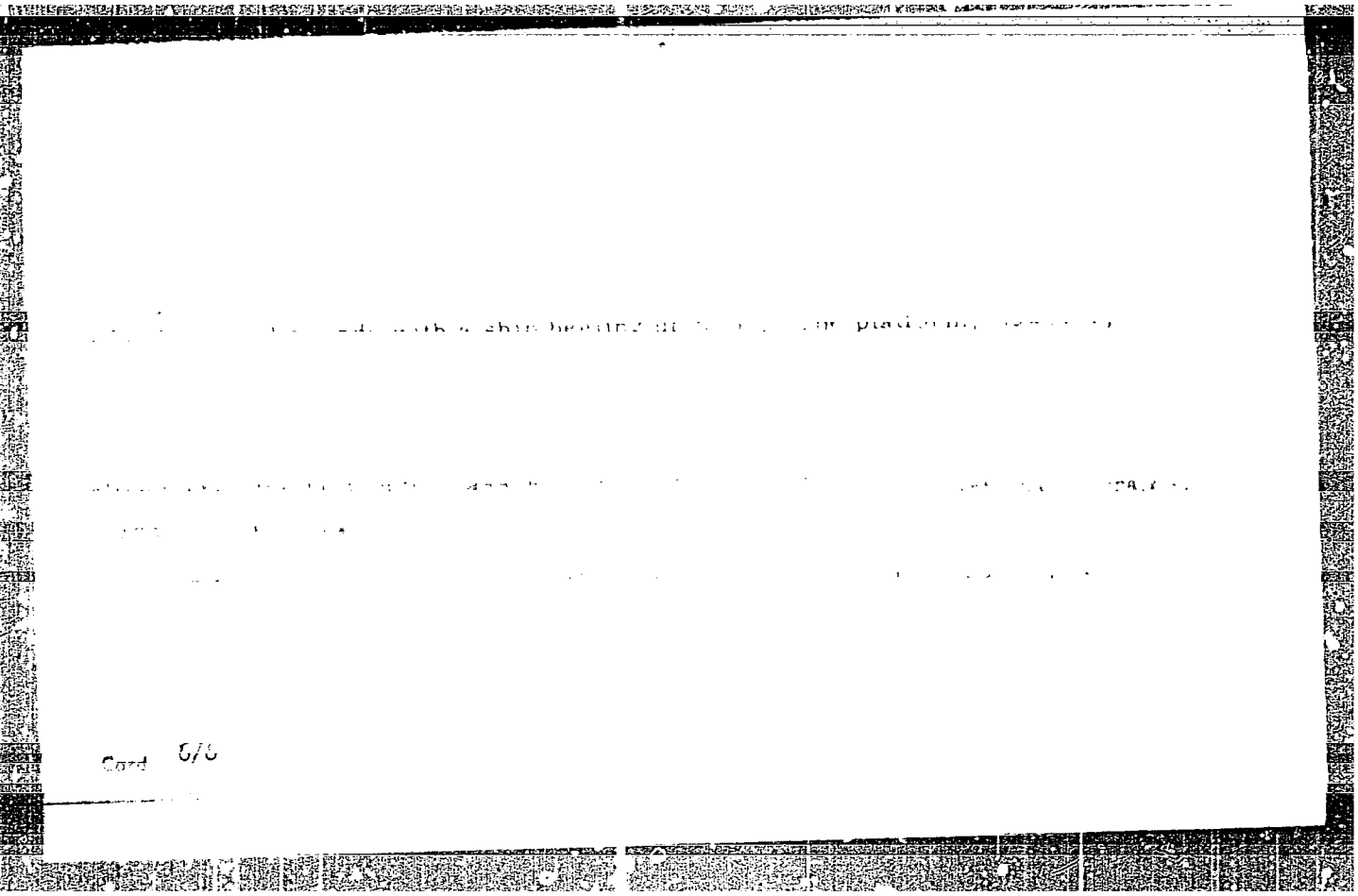

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TOROZOVA, L.I.

Genesis of radioactivity of the TSkhaltubo mineral springs. Trudy Inst.geofiz.AN Gruz.SSR 17:383-404 '58. (MIRA 13:4)

1. Gromovskaya ekspeditsiya Ministerstva geologii i okhrany nedr SSSR.
(TSkhaltubo region--Mineral waters)
(Radioactivity)

CHKHENKELI, Sh.M.; TOROZOVA, L.I.; TSERETELI, TS.I.

Radioactivity of fresh and mineral waters of Svanetia and the mountainous Mingrelia. Trudy Inst. geofiz. AN Gruz. SSR 16: 91-96 '57. (MIRA 11:6)

(Georgia--Water) (Radioactivity)

Tsrozova, L. I.

CHKHENKELI, Sh.M.; TSROZOVA, L.I.

Radioactivity of fresh and mineral waters in Abkhasia. Trudy Inst.geofiz. AN Gruz.SSR 15:95-101 '56. (MLRA 10:7)
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KEBULADZE, V.V.; TOROZOVA, L.I.

Radioactivity of the Borzhomi and Surami mineral waters [in Georgian with summary in Russian]. Trudy Inst.geofiz. AN Gruz.SSR 13:131-135 '54. (MLRA 9:9)
(Borzhomi--Mineral waters) (Surami--Mineral waters)

TORPAKOV, F. G., SLAVIN, A. M. and KOMAROV, N. M.

"Ventilation of pigsties with heating of flowing air."

Veterinariya, Vol. 37, No. 7, 1960, p. 75

Torpakov - Cand. Vet. Sci -

TORPAN, B.K., kand. tekhn. nauk, dots.; KHYDREYARV, Kh.Kh. [Hõdrejärv, H.], inzh.

Investigating the corrosion of steel in the presence of shale ash at high temperatures. Izv. vys. ucheb. zav.; energ. 2 no.7: 105-110 Jl '59. (MIRA 13:1)

1.Tallinskiy politekhnicheskiy institut.
(Steel--Corrosion) (Oil shales)

TORPANOVA, G.A., inzhener.

[Heat treatment of steel] Termicheskaia obrabotka stali. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1947. 211 p. (MLRA 7:2)
(Steel--Heat treatment)

TORPANOVA, G. A.

PA 18/49T91

USSR/Metals Dec 48
Steel, Chromium-Nickel
Steel, Structural

"Low-Alloy Structural Steel," L. G. Livshits, Cand Tech Sci, G. A. Torpanovc, Engr, TsNIICherMET, 4 pp

"Stal'" No 12

Some alloy structural steels (in particular, those containing molybdenum) can be successfully replaced in many cases by proposed low-alloy steels of low chromium and nickel content. Includes nine diagrams, one microphotograph, and three tables.

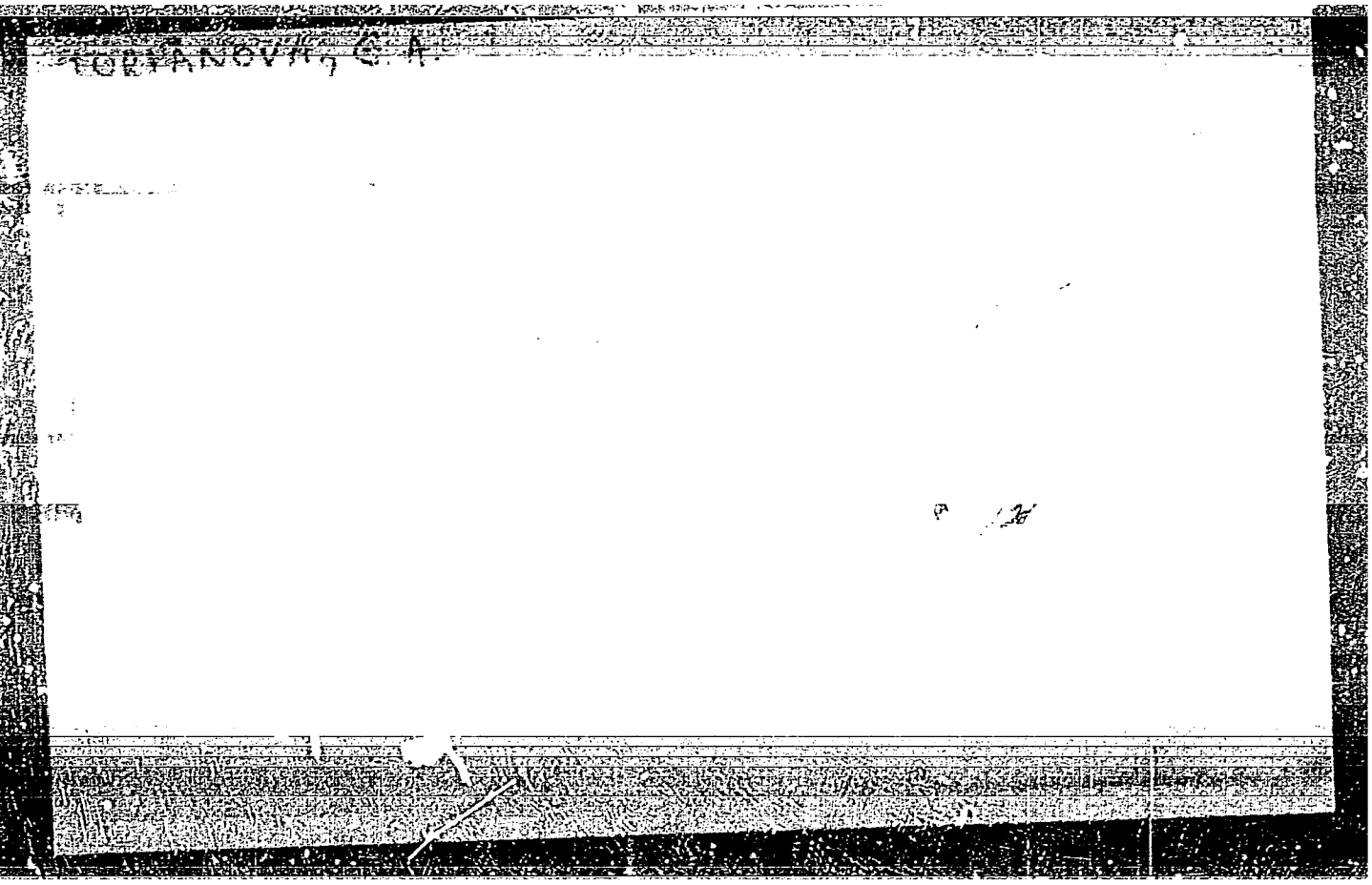
18/49T91

LIVSHITS, G.L., kandidat tekhnicheskikh nauk; TORPANOVA, G.A., kandidat tekhnicheskikh nauk.

Alloying 18KhGT and 30KhGT steels with zirconium. Stal' 16 no.6: 571 Je '56. (MLRA 9:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.

(Steel-zirconium alloys)



LIVSHITS, G.L., kandidat tekhnicheskikh nauk; TORPANOVA, G.A., kandidat tekhnicheskikh nauk; SMIRNOV, Ye.V., inzhener.

"Alloyed structural steels" V.A. Delle. Reviewed by G.L. Livshits, G.A. Torpanova, E.V. Smirnov. Stal' 16 no.2:188-189 F '56. (MLRA 9:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.

(Steel, Structural) (Delle, V.A.)

[illegible] 59-3-24/32

AUTHORS: Prodantsev, M.V., Doctor of Technical Sciences, Professor, Livshits, G.L., Torpanova, G.A., Candidates of Technical Sciences

TITLE: Nitriding Molybdenum-Free Steel (Azotiruyemaya bezmolibdenovaya stal')

PERIODICAL: Stal', 1959, Nr 3, pp 262 - 267 (USSR)

ABSTRACT: The development, production and testing of molybdenum free nitriding steels is described. Laboratory and industrial investigations indicated that in order to obtain nitrided surface of a hardness not less than 900 Hv on chromium, chromium-vanadium and chromium tungsten vanadium steels the content of aluminium of 0.4% is sufficient. Such a decrease in the aluminium content also improves the technological properties of steel during its smelting. To replace steel 38KhMYuA three new steels of the following composition were developed, %:

	C	Si	Mn	Cr
38KhYuA	0.35-0.43	0.17-0.37	0.20-0.40	1.50-1.80
38KhVFYuA	0.35-0.43	0.17-0.37	0.20-0.40	1.50-1.80
38KhVYuA	0.35-0.43	0.17-0.37	0.20-0.40	1.50-1.80

Card1/3

Nitriding Molybdenum Free Steel SOV/133-59-3-24/32

	W	V	Al
38KhYuA	-----	-------	0.50-0.80
38KhVFYuA	0.20-0.40	0.10-0.20	0.40-0.70
38KhVYuA	0.20-0.40	------	0.40-0.70

These steels after thermal treatment may possess indices of mechanical properties not lower than:

	σ_B kg/mm^2	σ_S kg/mm^2	δ %	ψ %	a_k kgm/cm^2
Steel 38KhYuA after hardening of a billet of dia. 30 mm in oil or warm water from 930 °C and annealing at 600-630 °C	95	80	12	50	8
38KhVfYuA after hardening as above and annealing at 600 °C	100	85	15	50	9
38KhVYuA after hardening as above and annealing at 620-640 °C	100	85	15	50	9 .

Card2/3

Nitriding Molybdenum Free Steel SOV/133-59-3-24/32

Steel 38KhYuA is recommended for parts of small cross-sections and the other two steels for larger parts. The hardness of the nitrided surface of these steels is not less than 900 Hv. The technology of production of machine parts from these steels does not present any difficulties and is similar to that for steel 38KhMYuA. Steel 38KhYuA, as the most economical, is recommended for a wide application in the machine-building industry instead of 38KhMYuA. For nitrided parts operating at elevated temperatures (300 - 500 °C) steels 38KhVFYuA and 38KhVYuA are recommended. There are 1 figure, 7 tables and 4 references, 3 of which are English and 1 German.

ASSOCIATION: TsNIIChM

Card 3/3

TORPANOVA, G.A.

Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii

Spetsial'nyye stali i splavy (Special Steels and Alloys) Moscow, Metallurgizdat, 1960. 439 p. (Series: Its: Sbornik trudov, vyp. 17) Errata slip inserted. 4,000 copies printed.

Sponsoring Agencies: Institut nauchestvennykh stateyj Gosudarstvennyy planovyy komitet Soveta Ministrov SSSR; and Glavnoye upravleniye nauchno-issledovatel'skikh i proyektnykh organizatsiy.

Ed.: M.V. Pridantsev; Ed. of Publishing House: A.L. Ozeretskaya; Tech. Ed.: V.V. Mikhaylova.

PURPOSE: This book is intended for engineering and research personnel in the metallurgical and machine-building industries.

COVERAGE: This book contains papers on the physical properties of special industrial steels and alloys. Individual papers treat: the problem of flake formation in steels and preventive measures, the effect of alloying additions and heat treatment on the structure and properties of steel, steel corrosion and preventive measures, and the properties of chromium-nickel alloys. There are 120 references: 87 Soviet, 22 English, 9 German, and 2 French.

Table of Contents:

MESHCHERINOVA, O.N., kand.tekhn.nauk; TRIFONOVA, T.N., inzh.; TORPANOVA, G.A., kand.tekhn.nauk; SMIRNOV, Ye.V., inzh.; BABAKOV, A.A., kand.tekhn.nauk; KARNEVA, Ye.N., inzh.; ZHADAN, T.A., inzh.; TALOV, N.P., inzh.; TSYPKINA, Ye.D., kand.tekhn.nauk; DORONIN, V.M., inzh.; DAVYDOVA, L.N., inzh.; PRIDANTSEV, M.V., prof., doktor tekhn.nauk, red.; LIVSHITS, G.L., kand.tekhn.nauk, red.; BERLIN, Ye.N., red.izd-va; MIKHAYLOVA, V.V., tekhn.red.

[Steels with low nickel content; a handbook] Stali s ponizhennym soderzhan'em nikela; spravochnik. Pod red. M.V.Pridantseva i G.L.Livshitsa. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 200 p. (MIRA 14:12)

1. Direktor instituta kachestvennykh staley TSentral'nogo nauchno-issledovatel'skogo instituta chernoy metallurgii im. I.P.Bardina (for Pridantsev).
(Nickel steel)

LEYKIN, I.M., kand.tekhn.nauk; TORPANOVA, G.A., kand.tekhn.nauk

Conference on the coordination of research on low-alloy steels.
Stal' 22 no.3:268-269 Mr '62. (MIRA 15:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.
(Metallurgical research--Congresses) (Steel alloys)

FAYVILEVICH, G.A.; [illegible]

Investigating the [illegible] of grain growth in VNZ steel alloyed with zirconium and hafnium using the method of high temperature [illegible]. [illegible]: 105-111 '64.

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New 25KhNTTs case-hardened steel for the pistons of tractor transmissions. Trakt. i sel'khozmash. no.4:42-43 Ap '65. (MIRA 18:5)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut (for Nazarova, Babayan). 2. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii imeni Bardina (for Torpanova). 3. Lipetskiy traktornyy zavod (for Kachur).

TORPENY, I.

Methods Applied to Pursue Dilutions and Losses of Complex Ores in Mining Operations and the Results Obtained Therein. Revista Minelor (Mining Journal), #5:185:May 55

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Revealing and utilizing internal resources in the enterprised of the mining industry. Mining Journal, #2:41:Feb. 55

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1. Z Kliniki Chorob Dzieci A.M. w Krakowie Kierownik: prof. dr med. T. Giza.

(LIPODYSTROPHY in inf & child)

TOR-PIEKOLWA, Krystyna (Krakow)

Clinic of the early symptoms of poliomyelitis and their significance for early diagnosis. Przegl.lek., Krakow 11 no.4:114-120 '55.

1. Z Kliniki Chorob Dzieci A.M. w Krakowie Kierownik: prof. dr med. W. Bujak. Z Oddzialu Choroby Heinego-Medina Wojewodzkiego Szpitala Specjalistycznego w Krakowie, Ordynator: dr.med. E Juzwa.

(POLIOMYELITIS, diagnosis
early, clin. aspects)

STAPINSKI, Andrzej, TOR-PIEKLOWA, Krystyna

Ichthyosis congenita s foetalis. Pediat.polska 30 no.5:463-472 May '55.

1. Z Kliniki Chorob Dzieci A.M. w Krakowie. Kierownik: prof. dr. med. Wl.Bujak i z Kliniki Chorob Skornych i Wenerycznych A.M. w Krakowie. Kierownik: prof. dr med. K. Lejman, Krakow, Kopernika 17.

(ICHTHYOSIS, congen.)
(INFANT, NEWBORN, diseases, ichtyosis)

TOR-PIEKLOWA, Krystyna

Acute encephalitis. Przegl. lek. 10 no.3:95-98 Mr '54.

1. Z Kliniki Chorob Dzieci Akademii Med. w Krakowie. Kierownik: Prof. dr Wl.Bujak.
(ENCEPHALITIS, EPIDEMIC,)

POLAND

TOR-PIEKLOWA, Krystyna, Pediatric Clinic (Klinika Dziecieca), AM [Akademia Medyczna, Medical Academy] in Krakow (Director: Prof. Dr. med. T. GIZA)

"Difficulties and Errors in the Diagnosis of Poliomyelitis."

Warsaw-Krakow, Przeglad Lekarski, Vol 19, Ser II, No 8, 28 Aug 63, pp 338-340

Abstract: [Author's Russian summary modified] The author discusses complicating factors which make correct diagnosis of polio difficult and lists the diseases with which it is easily confused and criteria for their differentiation. She also notes some studies made at the clinic on creatine and phosphor metabolism of 100 polio patients (both paralytic and non-paralytic form), the blood and urine picture of which may prove valuable both in the diagnosis and prognostication of this disease. There are 19 references: One (1) Soviet, 15 Polish, and three (3) Western.

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POLAND

TOR-PIEKLOWA, Krystyna, Second Pediatric Clinic (II Klinika Chorob Dzieci), AM [Akademia Medyczna, Medical Academy] in Krakow (Acting Director: Docent, Dr. A. MEGALA)

"Dermatomyositis in the Light of the Case of an 8-Year Old Girl."

Warsaw-Krakow, Przeglad Lekarski, Vol 19, Ser II, No 6, 24 Jun 63, pp 235-237

Abstract: [Author's English summary modified] Author describes the case, where after numerous infections, the child developed increasing pains in the legs, difficulty in stooping and sitting, edema and redness of eyelids, transient allergic rashes, and enuresis both by day and at night. The clinical picture, creatinuria, electromyoscopy, electrophoresis, ESR, and anatomopathological examination of a dermomuscular section were typical of this disease. The disease yielded to treatment with steroids, including rezodiine, duraboline, massage, and saline baths. There are ten (10) references: Seven (7) Polish and three (3) German.

1/1

[illegible], Krakow

Diagnostic difficulties and errors in poliomyelitis. Przegl lek 19 no.8:336-340 '63.

1. Children's Clinic of the School of Medicine, Krakow. Head: Prof. Dr. T. Gina.

TORPIN, S. I.

"Effect of Prism and 'Cushion' on the Absolute Determination of Gravity Acceleration by Means of Pendual", Tr. Vses. n-i. in-ta metrologii, No 23, pp 18-25, 1954.

The swing of the pendulum depends on the radius of carvature of the prism on which it is suspended and the elasticity coefficient K of prism and cushion on which the prism leans. The swing of the same pendulum varies if suspended on various prisms and cushions and the variation reaches 57.10 sec. The correction of the swing period is expressed in two terms, the first proportional to the amplitude, the second to amplitude square. (RZhAstr, No 11, 1955)

SO; Sum 812, 6 Feb 1956.

TORPOGOSOV, Z.A., kand. tekhn. nauk; GONCHAREVICH, I.F., kand. tekhn. nauk

Vibration recovery in working thick ore deposits. Nauch. soob. IGD 15:33-43 '62. (MIRA 17:2)

TORPORETZ, A. S.

LUMINESCENCE SPECTRA OF PHOSPHORS ACTIVATED WITH SILVER.
A. S. TORPORETZ (MEM. PHYSTZUR, KIEV, 1940, 8, 161-166)
The luminescence spectra of the phosphors MX-Ag consist of t
two bands (245-260 and 360-28[illegible]u.) when M = Na, and one
band (275-290[illegible]u.) when M = K(X = Cl, Br, I). The mechanism
of luminescence is discussed. RF
Imediate source, clipping